

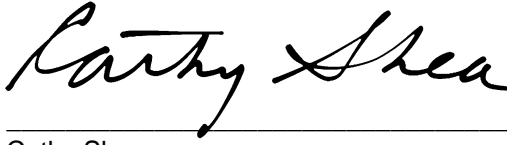
## New England Biolabs Certificate of Analysis

Product Name: Gibson Assembly<sup>®</sup> Master Mix  
 Catalog Number: E2611L  
 Packaging Lot Number: 10056362  
 Expiration Date: 11/2020  
 Storage Temperature: -20°C  
 Specification Version: PS-E2611S/L v1.0

Gibson Assembly <sup>®</sup> Master Mix Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N2611AVIAL	NEBuilder <sup>®</sup> Positive Control	10043300	Pass
M5510AAVIAL	Gibson Assembly <sup>®</sup> Master Mix	10056328	Pass

Assay Name/Specification	Lot # 10056362
<p><b>Functional Testing (Gibson Assembly)</b>            A 20 µl reaction containing 10 µl of 2X Gibson Assembly Master Mix and six 0.05 pmol fragments of pUC19 (five 400 bp fragments and one 2,780 bp fragment, each with a 40 bp overlap) is incubated at 50°C for 60 minutes. Transformation of NEB 5-alpha competent E. coli cells (NEB #C2987) with 2 µl of the master mix/fragment mixture yields greater than 100 white colonies on an ampicillin plate with IPTG/X-Gal after overnight incubation at 37°C.</p>	Pass
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in Gibson Assembly<sup>®</sup> Master Mix and meet the designated specifications.</p>	Pass

This product has been tested and shown to be in compliance with all specifications.



Cathy Shea  
Production Scientist  
04 Nov 2019



Jay Minichiello  
Packaging Quality Control Inspector  
13 Nov 2019